

Message

From: MCONAGHIE James [James.McConaghie@state.or.us]
Sent: 12/20/2018 6:16:46 PM
To: Blount, Keyyana [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=27af8248d9184ecdac0c5a4334e892e6-Blount, Key]; Comeleo, Randy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9e54eec0d314caf91d5a5dd9f33f082-Comeleo, Randy]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; STURDEVANT Debra [Debra.STURDEVANT@state.or.us]; Ebersole, Joe [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6ba9c70c3aab4745bdce199ca906fce1-Ebersole, Joe]; Guzzo, Lindsay [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8643d3d6703a4886b13c5548d22307a0-Guzzo, Lindsay]; MCONAGHIE James (james.mcconaghie@state.or.us) [james.mcconaghie@state.or.us]; Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]; Leinenbach, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=71fa43fac15249aa9cfba0a9dfcf3361-Leinenbach, Peter]; Merz, Martin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=03939a84614842d2852cb6b7f26aa852-Merz, Marti]; Schumaker, Nathan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dc0d9712dfab4b04866524c49e94ee7b-Schumaker, Nathan]; Snyder, Marcia [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=31ed619dda044be49faa54c8a239be2d-Snyder, Marcia]; Soscia, Mary Lou [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0849f6bc30264a53b883725e58333224-Soscia, Mary L.]; Wu, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=885e149e9bdd4094bf34508d7454cdfa-Wu, Jennifer]
CC: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]; STURDEVANT Debra [Debra.STURDEVANT@state.or.us]; Gruen, David E. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0c1c2b39b63540a48e0ae7ba26590879-Gruen, Davi]; Clayton.Alex@epa.gov; Clayton, Alexandra L. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a1c81540da0c410494f02a7679b46456-Clayton, Al]
Subject: FW: New report: Water Temperature in the Lower Willamette River and select tributaries, Summers 2016 and 2017

Here is the USGS Temperature report for the lower Willamette I mentioned in today's call (below).

-James

*James B. McConaghie, PhD
Water Quality Specialist
Water Quality Standards and Assessment
Oregon DEQ
503-229-5656
McConaghie.James@deq.state.or.us
700 NE Multnomah St.,
Suite #600,
Portland, OR 97232.*

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From: Jones, Krista <kljones@usgs.gov>

Sent: Wednesday, November 21, 2018 9:48 AM

Subject: New report: Water Temperature in the Lower Willamette River and select tributaries, Summers 2016 and 2017

Hi all,

Yesterday, a new report documenting the methods, available data, and summary graphs and maps of the data for the lower Willamette River and select tributaries was published online. The data collection and report were funded by the combined support of the Meyer Memorial Trust, Benton Soil and Water Conservation District, the City of Lake Oswego, the City of Wilsonville, and USGS Cooperative Matching Funds.

Many thanks to JoJo and team for the data collection and timely reporting!

Report link: <https://pubs.er.usgs.gov/publication/ofr20181184>

Abstract:

The U.S. Geological Survey collected continuous water-temperature data in select tributaries of the lowermost 80 kilometers (50 miles) of the Willamette River in northwestern Oregon, during summers 2016 and 2017. Point measurements of water temperature and water quality (dissolved oxygen, specific conductance, and pH) also were collected at multiple locations and depths within the river and in the lower reaches of three major tributaries (Clackamas and Molalla Rivers, and Johnson Creek). These datasets were collected to identify potential locations of cold-water refuges for sensitive fish species, and to characterize daily, seasonal, and spatial variability in water conditions. These datasets may be useful for local municipalities that are required to identify cold-water refuges (as defined in State of Oregon water-quality standards) and determine approaches for protecting and enhancing these features as part of their Willamette River water-temperature Total Maximum Daily Load implementation plans. This report documents the data collection methods, provides summary graphs and maps of the water-temperature data, and outlines steps for accessing the data.

--Krista

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Krista L. Jones

USGS Oregon Water Science Center

<https://profile.usgs.gov/kljones>

kljones@usgs.gov - (503) 251-3476